

Global List of Validated Bioanalytical Assays

Validated Assay List

Compound Name	Technique	Species/Matrix	Range	Anti-coag.
1-Hydroxypyrene (1-OHP)	LC-MS/MS	Human Urine	10-2000 pg/mL	N/A
21-desacetyl Deflazacort	LC-MS/MS	Human Plasma	1-200 ng/mL	EDTA
2,3 dinor Thromboxane-B2 (TXB2)	LC-MS/MS	Human Urine	25-2500 pg/mL	N/A
2-Pralidoxime (2-PAM)	LC-MS/MS	Human Plasma	0.1-20 ng/mL	Heparin
3-Hydroxybenzo[a]pyrene (3-OH B[a]P)	LC-MS/MS	Human Urine	25-600 fg/mL	N/A
3-Hydroxypropylmercapturic Acid (3-HPMA)	LC-MS/MS	Human Urine	35-5000 ng/mL	N/A
3-Hydromorphone	LC-MS/MS	Human Plasma	0.05000 – 10.00 ng/mL	EDTA
5-Fluorocytosine	LC-MS/MS	Human Plasma	0.5-100 ug/mL	EDTA
5-Fluorouracil	LC-MS/MS	Human Plasma	25-5000 ng/mL	EDTA
6-Beta Naltrexol	LC-MS/MS	Human Plasma	0.5-25 pg/mL	EDTA
6-Mercaptopurine (6-MP)	LC-MS/MS	Human Plasma	0.25-25 ng/mL	Heparin
6-O-desmethyl Donepezil	LC-MS/MS	Human Plasma	10-2000 pg/mL	EDTA
8-iso-Prostaglandin F2 (Type III)	LC-MS/MS	Human Urine	25-1500 pg/mL	N/A
8-iso-Prostaglandin F2 (Type IV)	LC-MS/MS	Human Urine	25-6000 pg/mL	N/A
11-Dehydro Thromboxane B2	LC-MS/MS	Human Urine	5-500 pg/mL	N/A
11-Dehydro Thromboxane B2	LC-MS/MS	Human Urine	25-2500 pg/mL	N/A
17-Deacetyl norgestimate; Levonorgestrel	LC-MS/MS	Human Plasma	20-2500 pg/mL; 80-3500 pg/mL	EDTA
Abacavir; Zidovudine	LC-MS/MS	Human Plasma	25-4000 ng/mL; 25-4000 ng/mL	Heparin
Abacavir; Zidovudine; Lamivudine	LC-MS/MS	Human Plasma	30-9000 ng/mL; 10-3000 ng/mL; 10-3000 ng/mL	EDTA
Acetaminophen	LC-MS/MS	Human Plasma	50-10000 ng/mL	EDTA, Heparin
Acetyl Salicylic Acid (ASA)	LC-MS/MS	Human Plasma	0.1-20 ug/mL	EDTA
Acetyl Salicylic Acid (ASA); Salicylic Acid (SA)	LC-MS/MS	Human Plasma	2-500 ng/mL; 50-12500 ng/mL	NaF/EDTA
Allopurinol; Oxypurinol	LC-MS/MS	Human Plasma	0.1-20 ug/mL	EDTA
Alprazolam; Alpha-Hydroxyalprazolam	LC-MS/MS	Human Plasma	0.10-15 ng/mL; 0.05-7.5 ng/mL	EDTA
Amiodarone; Desethylamiodarone	LC-MS/MS	Human Plasma	10-10000 ng/mL; 0.5-200 ng/mL	EDTA

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Amlodipine	LC-MS/MS	Human Serum	50-10000 pg/mL	N/A
Amlodipine	LC-MS/MS	Human Plasma	50-10000 pg/mL	EDTA
Amlodipine	LC-MS/MS	Human Plasma	.05-10 ng/mL	Heparin
Amoxicillin	LC-MS/MS	Human Plasma	0.1-30 ug/mL	EDTA
Amphetamine D/L	LC-MS/MS	Human Plasma	0.5-50 ng/mL	EDTA
Amylin	EIA	Human Plasma	5.94 – 60.0 pM	EDTA
Anastrozole	LC-MS/MS	Human Plasma	0.1-60 ng/mL	EDTA, Heparin
anti-KLH IgG	ELISA	Human Serum	.95-30.5 ng/mL	N/A
anti-KLH IgM	ELISA	Human Serum	31.3 - 1000 ng/mL	N/A
anti-Pegfilgrastim ADA	EIA	Human Serum	N/A	N/A
Aprepitant	LC-MS/MS	Human Plasma	20-6000 ng/mL	EDTA
Aromatic Amines (1-AMN; 2-AMN; 3-ABP; 4-ABP)	LC-MS/MS	Human Urine	2-500 pg/mL; 2-500 pg/mL; .5-50 pg/mL; 1-100 pg/mL	N/A
Atenolol	LC-MS/MS	Human Plasma	5-1500 ng/mL	EDTA
Atomoxetine	LC-MS/MS	Human Plasma	5.2-1560 ng/mL	Heparin
Atorvastatin; Parahydroxy Atorvastatin; Orthohydroxy Atorvastatin	LC-MS/MS	Human Plasma	0.2-80 ng/mL; 0.1-40 ng/mL; 0.02-8 ng/mL	EDTA
Atropine	LC-MS/MS	Human Plasma	0.1-20 ng/mL	Heparin
Baclofen	LC-MS/MS	Human Plasma	2-500 ng/mL	EDTA
Baclofen	LC-MS/MS	Mouse Plasma	20-5000 ng/mL	Heparin
Bicalutamide	LC-MS/MS	Human Plasma	10-5000 ng/mL	EDTA
Budesonide	LC-MS/MS	Human Plasma	5-1500 pg/mL	N/A
Buprenorphine	LC-MS/MS	Human Plasma	5-1000 pg/mL	Heparin
Buprenorphine	LC-MS/MS	Human Plasma	25-5000 pg/mL	Heparin
Buprenorphine; Norbuprenorphine	LC-MS/MS	Human Plasma	10-2500 pg/mL; 10-2500 pg/mL	Heparin
Buprenorphine; Norbuprenorphine	LC-MS/MS	Human Plasma	5-1000 pg/mL; 10-2000 pg/mL	Heparin
Bupropion	LC-MS/MS	Human Plasma	1-200 ng/mL	EDTA
Bupropion; Hydroxybupropion	LC-MS/MS	Human Plasma	0.2-200 ng/ml; 2-2,000 ng/ml	EDTA
C-Peptide	RIA	Human Serum	0.05-4 ng/mL	N/A
C-Peptide	EIA	Human Serum	0.15 ng/mL – 5.00 ng/mL	N/A
C-Peptide	RIA	Human Serum	100-4000 pg/mL	N/A
Caffeine	LC-MS/MS	Human Plasma	20-5000 ng/mL	Heparin
Caffeine; Paraxanthine	LC-MS/MS	Human Plasma	20-5000 ng/mL; 20-5000 ng/mL	Heparin
Candesartan	LC-MS/MS	Human Plasma	0.5-200 ng/mL	EDTA
Candesartan	LC-MS/MS	Human Plasma	2-200 ng/mL	EDTA
Capsaicin	LC-MS/MS	Human Plasma	5-500 pg/mL	Heparin
CD34+	Flow	Human Whole Blood	N/A	EDTA
Celecoxib	LC-MS/MS	Human Plasma	10-2500 ng/mL	EDTA
CEMA; 3-HPMA; HBMA	LC-MS/MS	Human Urine	20-5000 ng/mL; 20-5000 ng/mL; 0.2-150 ng/mL	N/A
CEMA; 2-HPMA, 3-HPMA; HBMA	LC-MS/MS	Human Urine	20-5000 ng/mL; 2.50 - 2000 ng/mL, 20-5000 ng/mL; 0.2-150 ng/mL	N/A
Cetirizine	LC-MS/MS	Human Plasma	10-750 ng/mL	EDTA

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Cetirizine	LC-MS/MS	Human Plasma	2-400 ng/mL	EDTA
Chlorpheniramine	LC-MS/MS	Human Plasma	0.1-30 ng/mL	Heparin
Cholecalciferol	LC-MS/MS	Human Plasma	0.1-15 ng/mL	EDTA
CK18	ELISA	Human Serum	75-1000 U/L	N/A
Clarithromycin; 14-Hydroxy-Clarithromycin	LC-MS/MS	Human Plasma	1-4000 ng/mL; 0.5-2000 ng/mL	EDTA
Clavulanic Acid	LC-MS/MS	Human Plasma	50-5000 ng/mL	EDTA
Clonazepam	LC-MS/MS	Human Plasma	0.1-20 ng/mL	EDTA
Clopidogrel; Clopidogrel Acid	LC-MS/MS	Human Plasma	0.01-5 ng/mL; 10-5000 ng/mL	EDTA
Codeine	LC-MS/MS	Human Plasma	2-200 ng/mL; 0.1-30 ng/mL	Heparin
COHb (Carboxyhemoglobin)	Spectrophotometric	Human Whole Blood	1% - 5%	Sodium Heparin
Colchicine	LC-MS/MS	Human Plasma	0.03-10 ng/mL	EDTA
Cortisol; 6-β-Hydroxycortisol	LC-MS/MS	Human Urine	2-500 ng/mL; 30-7500 ng/mL	N/A
Cotinine	LC-MS/MS	Human Saliva	1-100 ng/mL	N/A
Creatinine	ELISA	Human Urine	30-600 ug/mL	N/A
Creatinine	LC-MS/MS	Human Urine	50-5000 ug/mL	N/A
CyanoEthylValine (CEV-Hg adducts)	LC-MS/MS	Human	750-97500 pM	EDTA
Cyclo (His-Pro) (CHP)	LC-MS/MS	Human Plasma	2.5-1000 ng/mL	EDTA
Cyclosporine A	LC-MS/MS	Human Whole Blood	5-1000 ng/mL	K ₂ EDTA
Cyproterone Acetate; 15-Beta-Hydroxycyproterone Acetate	LC-MS/MS	Human Plasma	0.1-40 ng/mL	Heparin
Dabigatran Free	LC-MS/MS	Human Plasma	.5-250 ng/mL	EDTA
Dabigatran Total	LC-MS/MS	Human Plasma	1-500 ng/mL	EDTA
Danazol	LC-MS/MS	Human Plasma	0.5-200 ng/mL	K ₃ EDTA
Danazol	LC-MS/MS	Human Serum	0.5-250 ng/mL	N/A
Dapagliflozin	LC-MS/MS	Human Plasma	.05-250 ng/mL	EDTA
Darifenacin	LC-MS/MS	Human Plasma	0.05-10 ng/mL	EDTA
Deferiprone	LC-MS/MS	Human Serum	0.1-20 ug/mL	N/A
Desipramine	LC-MS/MS	Human Plasma	0.5-200 ng/mL	Heparin
Desipramine; 2-Hydroxydesipramine	LC-MS/MS	Human Plasma	.5-200 ng/mL; .25-100 ng/mL	Heparin
Desmopressin	LC-MS/MS	Human Plasma	0.5/2-250 pg/mL	EDTA
Dexamethasone	LC-MS/MS	Human Plasma	0.1-50 ng/mL	EDTA
Dexlansoprazole	LC-MS/MS	Human Plasma	20-4000 ng/mL	EDTA
Dextromethorphan; Dextrorphan	LC-MS/MS	Rat Plasma	2-1000 ng/mL; 25-5000 ng/mL	EDTA, Heparin
Dextromethorphan; Dextrorphan	LC-MS/MS	Dog Plasma	2-1000 ng/mL; 25-5000 ng/mL	EDTA
Dextromethorphan; Dextrorphan	LC-MS/MS	Human Plasma	0.2-200 ng/mL; 2.5-2500 ng/mL	Heparin
Dextromethorphan; Dextrorphan	LC-MS/MS	Human Plasma	0.100 - 100 ng/mL, 0.200 - 200 ng/mL	Heparin
Dextromethorphan; Dextrorphan	LC-MS/MS	Mouse Plasma	2-1000 ng/mL; 25-5000 ng/mL	EDTA
DHPMA	LC-MS/MS	Human Urine	2-500 ng/mL	N/A
Diazepam; Nordiazepam	LC-MS/MS	Human Plasma	2-500 ng/mL	EDTA
Diclofenac	LC-MS/MS	Human Plasma	25-5000 pg/mL	K ₂ EDTA

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Diclofenac	LC-MS/MS	Human Plasma	0.5-50 ng/mL	Heparin
Diclofenac	LC-MS/MS	Human Plasma	2.5-500 ng/mL	K ₂ EDTA
Digoxin	LC-MS/MS	Human Plasma	10-3500 pg/mL	K ₂ EDTA
Digoxin	LC-MS/MS	Human Urine	0.1-100 ng/mL	N/A
Diltiazem; Deacetyldiltiazem; N-Desmethyldiltiazem	LC-MS/MS	Human Plasma	2-100 ng/mL; 0.5-25 ng/mL	Heparin
Diphenhydramine	LC-MS/MS	Human Plasma	0.5-150 ng/mL	EDTA
Dipyridamole	LC-MS/MS	Human Plasma	10-3000 ng/mL	EDTA
Dolasetron; Hydrodolasetron	LC-MS/MS	Human Plasma	1-200 ng/mL	EDTA
Donepezil	LC-MS/MS	Human Plasma	0.3-45 ng/mL	Heparin
Donepezil	LC-MS/MS	Human Plasma	0.3-45 ng/mL	K ₂ EDTA
Doxylamine	LC-MS/MS	Human Plasma	0.2-100 ng/mL	K ₂ EDTA
Dronedarone	LC-MS/MS	Human Plasma	1-250 ng/mL	EDTA
Drospirenone	LC-MS/MS	Human Plasma	0.5-50 ng/mL	EDTA
Duloxetine	LC-MS/MS	Human Plasma	0.1-20 ng/mL	Heparin
Efavirenz	LC-MS/MS	Human Plasma	10-5000 ng/mL	EDTA
Emtricitabine	LC-MS/MS	Human Plasma	10-2500 ng/mL	Heparin
Enalapril; Enalaprilat	LC-MS/MS	Human Plasma	0.5-100 ng/mL; 0.25-50 ng/mL	EDTA
Eprosartan	LC-MS/MS	Human Plasma	20-4000 ng/mL	EDTA
Eptifibatide	LC-MS/MS	Human Plasma	20-4000 ng/mL	EDTA
Escitalopram	LC-MS/MS	Human Plasma	0.2-40 ng/mL	K ₂ EDTA
Exemestane	LC-MS/MS	Human Plasma	0.1-50 ng/mL	K ₃ EDTA
Ezetimibe-Free	LC-MS/MS	Human Plasma	0.05-10 ng/mL	EDTA
Ezetimibe-Total	LC-MS/MS	Human Plasma	0.5-100 ng/mL	EDTA
Famotidine	LC-MS/MS	Human Plasma	1-200 ng/mL	EDTA
Febuxostat	LC-MS/MS	Human Plasma	15-3000 ng/mL	Sodium Heparin
Felodipine	LC-MS/MS	Human Plasma	10-2000 pg/mL	EDTA
Fenofibrate; Fenofibric Acid; Reduced Fenofibric Acid	LC-MS/MS	Human Plasma	0.05-10 ng/mL; 10-2000 ng/mL; 0.5-100 ng/mL	EDTA
Fentanyl	LC-MS/MS	Human Serum	10-5000 pg/mL	N/A
Fentanyl	LC-MS/MS	Rabbit Serum	100-5000 pg/mL	N/A
Fentanyl	LC-MS/MS	Rat Plasma	20-7500 pg/mL	EDTA
Fexofenadine	LC-MS/MS	Human Plasma	2-400 ng/mL	Heparin
FGF-21	EIA	Human Serum	60-3000 pg/mL	N/A
Fimasartan	LC-MS/MS	Human Plasma	2-500 ng/mL	K ₂ EDTA
Fluoxetine; Duloxetine; Paroxetine; Sertraline	LC-MS/MS	Human Plasma	1-500 ng/mL; 0.1-50 ng/mL; 0.2-100 ng/mL; 0.5-250 ng/mL	K ₂ EDTA
Fluticasone	LC-MS/MS	Human Plasma	1-150 pg/mL	K ₂ EDTA
Fluvastatin	LC-MS/MS	Human Plasma	1-400 ng/mL	K ₂ EDTA
Fluvoxamine	LC-MS/MS	Human Plasma	0.200-100ng/mL	EDTA
Fremanezumab	ELISA	Human Plasma	50-2000 ng/mL	K ₂ EDTA
Furosemide	LC-MS/MS	Human Plasma	0.1-20 ug/mL	EDTA
Furosemide	LC-MS/MS	Human Urine	0.1-20 ug/mL	N/A

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Gabapentin	LC-MS/MS	Human Plasma	40-10000 ng/mL	K ₂ EDTA
Galanthamine	LC-MS/MS	Human Plasma	0.3-120 ng/mL	EDTA
Gemcitabine; dFdU	LC-MS/MS	Human Plasma	100-20000ng/mL; 247-49300 ng/mL	Heparin
Gestodene	LC-MS/MS	Human Plasma	50-10000 pg/mL	EDTA
Ghrelin (total)	EIA	Human Plasma	350-4000 pg/mL	K ₂ EDTA
Ghrelin & Desacyl-Ghrelin	LC-MS/MS	Human Plasma	50-2500 pg/mL	EDTA
Glimepiride	LC-MS/MS	Human Plasma	2-400 ng/mL	EDTA
Glimepiride; Trans hydroxy Glimepiride	LC-MS/MS	Human Plasma	1-200 ng/mL; 0.2-40 ng/mL	EDTA
Glucagon	LC-MS/MS	Human Plasma	100-10000 pg/mL	EDTA
Glucagon	LC-MS/MS	Rat Plasma	1-150 ng/mL	EDTA
Glucagon	LC-MS/MS	Human Plasma	2-200 ng/mL	P800 EDTA
Glucose	Enzyme Assay	Human Plasma	60-1800 ug/mL	K ₃ EDTA
Glyburide	LC-MS/MS	Human Plasma	2-400 ng/mL	EDTA
Glyburide; cis-3-Hydroxy Glyburide; trans-4-Hydroxy Glyburide	LC-MS/MS	Human Plasma	0.5-200 ng/mL; 0.1-50 ng/mL	Heparin
Glyburide; cis-3-Hydroxy Glyburide; trans-4-Hydroxy Glyburide	LC-MS/MS	Human Urine	5-2500 ng/mL; 20-10000 ng/mL	N/A
HEMA	LC-MS/MS	Human Urine	0.1-20 ng/mL	N/A
Hemoglobin	ELISA	Human Red Blood Cells	2-16 mg/mL	EDTA
Hydrochlorothiazide	LC-MS/MS	Human Plasma	0.5-150 ng/mL	EDTA
Hydrocodone	LC-MS/MS	Human Plasma	0.1-40 ng/mL	Heparin
Ibandronate	LC-MS/MS	Human Serum	0.2-100 ng/mL	N/A
Ibuprofen	LC-MS/MS	Human Plasma	0.25-50 ug/mL	EDTA
IGF-1	ELISA	Human Serum	.09-6 ng/mL	N/A
Indomethacin	LC-MS/MS	Human Plasma	5-2500 ng/mL	K ₂ EDTA
Insulin	EIA	Human Serum	10 pM-400 pM	N/A
Insulin	EIA	Human Serum	20-600 pM	N/A
Irbesartan	LC-MS/MS	Human Plasma	30-6000 ng/mL	EDTA
Isradipine	LC-MS/MS	Human Plasma	50-10000 pg/mL	EDTA
Itraconazole; 7-OH-Itraconazole	LC-MS/MS	Human Plasma	1-500 ng/mL; 2-1000 ng/mL	K ₂ EDTA
Ketoconazole	LC-MS/MS	Human Plasma	20-4000 ng/mL	EDTA
Ketoprofen	LC-MS/MS	Human Plasma	0.25-50 ng/mL	EDTA, Heparin
KIM-1	EIA	Human		
Lansoprazole	LC-MS/MS	Human Plasma	2-1200 ng/mL	Heparin
Lenalidomide	LC-MS/MS	Human Plasma	5-1000 ng/mL	K ₂ EDTA
Leptin	EIA	Human Plasma	10-3200 pg/mL	EDTA
Letrozole	LC-MS/MS	Human Plasma	0.5-100 ng/mL	EDTA
Levonorgestrel; Ethinyl Estradiol	LC-MS/MS	Human Plasma	10.0-10,000 pg/mL; 1.00-1,000 pg/mL	EDTA
Lisinopril	LC-MS/MS	Human Plasma	.5-100 ng/mL	K ₂ EDTA

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Losartan; Losartan Acid Metabolite	LC-MS/MS	Human Plasma	1-300 ng/mL	Sodium EDTA
Lovastatin; Lovastatin Hydroxy-Acid	LC-MS/MS	Human Plasma	0.1-20 ng/mL; 0.1-10 ng/mL	EDTA
Lovastatin; Lovastatin Hydroxy-Acid	LC-MS/MS	Human Plasma	0.1-20 ng/mL	Heparin
Malondialdehyde	EIA	Human Plasma	20-500 ng/mL	K ₂ EDTA
MCP-1	EIA	Human Serum	40-1500 pg/mL	N/A
Mecamylamine	LC-MS/MS	Human Plasma	1-100 ng/mL	EDTA
Mesalamine	LC-MS/MS	Human Plasma	3-1000 ng/mL	K ₂ EDTA
Metaxalone	LC-MS/MS	Human Plasma	25-5000 ng/mL	EDTA
Metformin	LC-MS/MS	Human Plasma	2-1000 ug/mL	EDTA
R-Methadone; S-Methadone	LC-MS/MS	Human Plasma	20-4000 ng/mL	K ₂ EDTA
Methotrexate	LC-MS/MS	Human Plasma	2-400 ng/mL	K ₂ EDTA
Methylphenidate	LC-MS/MS	Dog Plasma	0.25-10 ng/mL	Heparin
Methylphenidate	LC-MS/MS	Human Plasma	0.1-20 ng/mL	EDTA
Methylphenidate-d; Methylphenidate-L	LC-MS/MS	Human Plasma	0.5-50 ng/mL; 0.05-5 ng/mL	EDTA
Methylphenidate-d; Ritalinic Acid-d; Methylphenidate-L; Ritalinic Acid-L	LC-MS/MS	Rat Plasma	0.5-50 ng/mL; 5-500 ng/mL	Potassium Oxalate/ Sodium Fluoride
Methylphenidate-d; Ritalinic Acid-d; Methylphenidate-L; Ritalinic Acid-L	LC-MS/MS	Mouse Plasma	1-50 ng/mL; 5-500 ng/mL	Potassium Oxalate/ Sodium Fluoride
Methylprednisolone	LC-MS/MS	Dog Plasma	0.5-50 ng/mL	EDTA
Methyl Salicylate	LC-MS/MS	Human Plasma	1.75-50 ng/mL	Potassium Oxalate/ Sodium Fluoride
Metoclopramide	LC-MS/MS	Human Plasma	1-150 ng/mL	Heparin
Metopropol	LC-MS/MS	Human Plasma	1-500 ng/mL	K ₃ EDTA
Metopropol	LC-MS/MS	Human Plasma	1-400 ng/mL	K ₂ EDTA
Midazolam; Hydroxymidazolam	LC-MS/MS	Human Plasma	0.1-40 ng/mL; 0.1-20 ng/mL	Heparin
Midazolam; Hydroxymidazolam	LC-MS/MS	Human Plasma	.1-50 ng/mL	Heparin
Misoprostol Acid	LC-MS/MS	Human Plasma	5-500 pg/mL	K ₂ EDTA
Mometasone Furoate	LC-MS/MS	Human Plasma	0.25-25 pg/mL	EDTA
Monohydroxy-3-Butenyl Mercapturic Acid (MHBMA)	LC-MS/MS	Human Urine	0.1-20 ng/mL	N/A
Montelukast	LC-MS/MS	Human Plasma	3-800 ng/mL	Heparin
Morphine; Morphine-3-Glucuronide; Morphine-6-Glucuronide	LC-MS/MS	Human Serum	0.5-50 ng/mL; 10-1000 ng/mL; 1-100 ng/mL	N/A
Morphine; Morphine-3-Glucuronide; Morphine-6-Glucuronide	LC-MS/MS	Human Plasma	0.25-50 ng/mL; 10-1000 ng/mL	EDTA
Morphine; Morphine-6-Glucuronide	LC-MS/MS	Human Plasma	0.25-50 ng/mL; 1-200 ng/mL	K ₃ EDTA

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Moxifloxacin	LC-MS/MS	Human Plasma	0.5-50 ng/mL	Heparin
NAB-Total; NAT-Total	LC-MS/MS	Human Urine	2-200 pg/mL; 5-1000 pg/mL	N/A
Naftifine	LC-MS/MS	Human Plasma	1-200 ng/mL	K ₃ EDTA
NAG (N-Acetyl-beta-D-Glucosaminidas)	EIA	Human	1.50-50.0 mU/mL	N/A
Nalbuphine	LC-MS/MS	Human Plasma	0.5- 50 ng/mL	EDTA
Naloxone	LC-MS/MS	Mouse Plasma	0.5-100 ng/mL	Heparin
Naloxone-Free	LC-MS/MS	Human Plasma	0.2-40 ng/mL	Heparin
Naloxone-Total	LC-MS/MS	Human Plasma	10-2000 pg/mL	EDTA
Naloxone-3-Glucuronide	LC-MS/MS	Human Plasma	75-15000 pg/mL	Heparin
Naltrexone	LC-MS/MS	Dog Plasma	0.1-50 ng/mL	EDTA
Naltrexone	LC-MS/MS	Human Serum	0.1-50 ng/mL	N/A
Naltrexone; 6-Beta-Naltrexol	LC-MS/MS	Human Plasma	4-500 pg/mL; 4-1600 pg/mL	EDTA
Naltrexone; 6-Beta-Naltrexol	LC-MS/MS	Human Serum	10-2000 pg/mL	N/A
Niacin; Niacinamide	LC-MS/MS	Human Plasma	25-5000 ng/mL; 10-2000 ng/mL	EDTA
Niacin; Nicotinamide; Nicotinuric Acid	LC-MS/MS	Human Plasma	25-5000 ng/mL; 10-2000 ng/mL; 5-1000 ng/mL	EDTA
Nicotine; Cotinine	LC-MS/MS	Human Serum	0.5-50 ng/mL; 1-200 ng/mL	N/A
Nicotine; Cotinine	LC-MS/MS	Human Plasma	0.2-10 ng/mL; 1-100 ng/mL	EDTA
Nicotine; Cotinine	LC-MS/MS	Human Plasma	1-50 ng/mL; 1-100 ng/mL	EDTA
Nicotine; Cotinine; trans-3'-Hydroxycotinine	LC-MS/MS	Human Plasma	0.2-10 ng/mL; 1-100 ng/mL	EDTA, Heparin
Nicotine; Cotinine; trans-3'-Hydroxycotinine	LC-MS/MS	Human Plasma	1-50 ng/mL; 5-500 ng/mL; 5-500 ng/mL	EDTA
Nicotine; Cotinine; trans-3'-Hydroxycotinine; Nicotine Glucuronide; Cotinine Glucuronide; trans-3'-Hydroxycotinine Glucuronide	LC-MS/MS	Human Urine	10-1000 ng/mL; 10-1000 ng/mL; 10-1000 ng/mL; 10-1000 ng/mL; 20-2000 ng/mL; 50-5000 ng/mL	N/A
Nicotine; Cotinine; trans-3'-Hydroxycotinine; Nicotine Glucuronide; Cotinine Glucuronide; trans-3'-Hydroxycotinine Glucuronide	LC-MS/MS	Human Urine	50-5000 ng/mL; 50-5000 ng/mL; 50-5000 ng/mL; 50-5000 ng/mL; 200-20000 ng/mL; 200-20000 ng/mL	N/A
NNAL-Total	LC-MS/MS	Human Urine	5-2000 pg/mL	N/A
NNN; NNAL	LC-MS/MS	Human Urine	0.2-40 pg/mL; 5-2000 pg/mL	N/A
Nordiazepam	LC-MS/MS	Human Plasma	10-500 ng/mL	EDTA
Norethindrone; Ethinyl Estradiol	LC-MS/MS	Human Plasma	50-10000 pg/mL; 5-1000 pg/mL	K ₂ EDTA
Norgestimate; Deacetylnorgestimate	LC-MS/MS	Human Plasma	20-2500 pg/mL	EDTA
Norgestrel (Reported as Levonorgestrel)	LC-MS/MS	Human Plasma	0.05-10 ng/mL	EDTA, Heparin

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Octreotide	LC-MS/MS	Human Plasma	20-6000 pg/mL	K ₂ EDTA
Olmesartan	LC-MS/MS	Human Plasma	2.5-500 ng/mL	EDTA
Olmesartan	LC-MS/MS	Human Plasma	2.5-1500 ng/mL	K ₃ EDTA
Omeprazole	LC-MS/MS	Human Plasma	10-2000 ng/mL	Sodium Heparin
Omeprazole	LC-MS/MS	Human Plasma	2-700 ng/mL	EDTA
Omeprazole; 5-OH Omeprazole	LC-MS/MS	Human Plasma	1.00-4,000 ng/mL; 1.00-4,000 ng/mL	K ₂ EDTA
R-Omeprazole; S-Omeprazole	LC-MS/MS	Human Plasma	0.5-100 ng/mL	EDTA
Ondansetron	LC-MS/MS	Human Plasma	0.5-100 ng/mL	EDTA
Orlistat	LC-MS/MS	Human Plasma	37.5-75000 pg/mL	EDTA
Oxybutynin [R]; Oxybutynin [S]; Desethyloxybutynin [R]; Desethyloxybutynin [S]	LC-MS/MS	Rat Plasma	1-250 ng/mL; 2.5-500 ng/mL	K ₂ EDTA
Oxybutynin [R]; Oxybutynin [S]; Desethyloxybutynin [R]; Desethyloxybutynin [S]	LC-MS/MS	Human Plasma	0.05-10 ng/mL	EDTA
Oxybutynin; Desethyloxybutynin	LC-MS/MS	Human Plasma	0.05-50 ng/mL	EDTA, Heparin
Oxybutynin; Desethyloxybutynin	LC-MS/MS	Human Plasma	0.05-10 ng/mL	K ₂ EDTA
Oxycodone	LC-MS/MS	Human Plasma	0.2-50 ng/mL	EDTA, Heparin
Oxycodone; Noroxycodone	LC-MS/MS	Human Plasma	0.5-100 ng/mL; 0.02 - 5.00 ng/mL	Sodium EDTA
Oxycodone; Noroxycodone; Oxymorphone	LC-MS/MS	Human Plasma	.5-125 ng/mL; .2-50 ng/mL; .02-5 ng/mL	K ₂ EDTA
Paclitaxel	LC-MS/MS	Human Plasma	10-4000 ng/mL	K ₂ EDTA
Paliperidone	LC-MS/MS	Human Plasma	0.1-20 ng/mL	K ₂ EDTA
Pantoprazole	LC-MS/MS	Human Plasma	20-6000 ng/mL	Heparin
Paroxetine	LC-MS/MS	Human Plasma	0.1-20 ng/mL	Heparin
Paroxetine	LC-MS/MS	Human Plasma	0.1- 50 ng/mL	EDTA
PEG-IFN alpha 2a (Pegasys)	EIA	Human Serum	250-6000 pg/mL	N/A
Phentermine	LC-MS/MS	Human Plasma	0.25-50 ng/mL	EDTA
Phenytoin	LC-MS/MS	Human Plasma	20-5000 ng/mL	K ₃ EDTA
Pitavastatin	LC-MS/MS	Human Plasma	0.5-150 ng/mL	K ₂ EDTA
Pitavastatin; Pitavastatin Lactone	LC-MS/MS	Human Plasma	.5-150 ng/mL	EDTA
Pomalidomide	LC-MS/MS	Human Plasma	1-100 ng/mL	K ₂ EDTA
Pramipexole	LC-MS/MS	Human Plasma	10-2000 pg/mL	K ₂ EDTA
Pramipexole	LC-MS/MS	Human Plasma	30-7500 pg/mL	K ₂ EDTA
Pravastatin; 3-Alpha-Hydroxy Pravastatin; Pravastatin Lactone	LC-MS/MS	Human Plasma	0.2-100 ng/mL	Heparin
Pravastatin; Pravastatin Lactone	LC-MS/MS	Human Plasma	.2-100 ng/mL	K ₂ EDTA
Pravastatin; 3-Alpha Hydroxy pravastatin; Pravastatin Lactone	LC-MS/MS	Human Urine	0.2-100 ng/mL	N/A
Prednisone; Prednisolone	LC-MS/MS	Human Plasma	0.4-100 ng/mL; 4-1000 ng/mL	EDTA
Progesterone	LC-MS/MS	Human Plasma	0.05-15 ng/mL	EDTA

Validated Assay List

Compound Name	Technique	Species/Matrix	Range	Anti-coag.
Progesterone	LC-MS/MS	Human Serum	0.05-15 ng/mL	N/A
Promethazine	LC-MS/MS	Human Plasma	0.1-20 ng/mL	Heparin
Propylene Glycol	LC-MS/MS	Human Urine	250-25000 ng/mL	N/A
Prostaglandin E2 (PGE-2)	EIA	Human Urine	30-1500 pg/mL (STD curve 10-500 pg/mL, samples @ DF=3)	N/A
Protein/Peptide Release Testing by HRMS	LC-MS/MS	Human		N/A
Pseudoephedrine	LC-MS/MS	Human Plasma	1-200 ng/mL	EDTA
PTH 1-34	ELISA	Human Plasma	6-150 pg/mL	EDTA
Quetiapine	LC-MS/MS	Human Plasma	1-200 ng/mL	EDTA
Quetiapine	LC-MS/MS	Human Plasma	5-1000 ng/mL	EDTA
Quinidine	HPLC/FL	Human Plasma	0.05-10 ug/mL	Heparin
Quinidine	HPLC/FL	Human Plasma	2-250 ng/mL	Heparin
Rabeprazole	LC-MS/MS	Human Plasma	5-400 ng/mL	Heparin
Raloxifene	LC-MS/MS	Human Plasma	5-1000 pg/mL	Heparin
Ramipril; Ramiprilat	LC-MS/MS	Human Plasma	0.1-20 ng/mL	EDTA
Repaglinide	LC-MS/MS	Human Plasma	0.01-10 ng/mL	EDTA
Ribavirin	LC-MS/MS	Human Serum	5-2000 ng/mL	N/A
Ribavirin	LC-MS/MS	Human Red Blood Cells	0.1-10 ug/mL	EDTA
Ribavirin	LC-MS/MS	Human Plasma	10-2000 ng/mL	EDTA
Rifampin	LC-MS/MS	Human Plasma	0.1-20 ug/mL	K ₂ EDTA
Ritalinic Acid-d; Ritalinic Acid-L	LC-MS/MS	Human Plasma	5-500 ng/mL	EDTA
Ritonavir	LC-MS/MS	Human Plasma	5-1000 ng/mL	Sodium EDTA
Ropinirole	LC-MS/MS	Human Plasma	0.05-7.5 ng/mL	EDTA
Rosiglitazone	LC-MS/MS	Human Plasma	2.5-500 ng/mL	EDTA
Rosiglitazone; Desmethylrosiglitazone	LC-MS/MS	Human Plasma	1-400 ng/mL	EDTA
Rosuvastatin	LC-MS/MS	Human Plasma	0.02-20 ng/mL	EDTA
Rotigotine	LC-MS/MS	Human Plasma	0.01-2 ng/mL	EDTA
SARS-COV-2	RT-PCR	Nasal Epithelial Cells	N/A	N/A
SARS-COV-2	RT-PCR	Nasopharyngeal Cells	N/A	N/A
Scopolamine	LC-MS/MS	Human Plasma	5-500 pg/mL	EDTA
sICAM	ELISA	Human Plasma	30-400 ng/mL	Heparin
Sildenafil; Desmethylsildenafil	LC-MS/MS	Human Plasma	1-400 ng/mL	EDTA
Simvastatin; Simvastatin Hydroxy Acid	LC-MS/MS	Human Plasma	0.1-20 ng/mL	EDTA
Sitagliptin	LC-MS/MS	Human Plasma	2.5-500 ng/mL	EDTA
Solifenacin	LC-MS/MS	Human Plasma	0.1-20 ng/mL	EDTA
Soluble Leptin Receptor	ELISA	Human Plasma	8-80 ng/mL	EDTA
Soluble Leptin Receptor	EIA	Human Plasma		
S-PMA; SBMA	LC-MS/MS	Human Urine	25-6250 pg/mL, 100-25000 pg/mL	N/A
Sumatriptan	LC-MS/MS	Human Plasma	0.1-15 ng/mL	K ₂ EDTA

Validated Assay List

Compound Name	Technique	Species/Matrix	Range	Anti-coag.
Sumatriptan	LC-MS/MS	Human Plasma	0.5-100 ng/mL	K ₂ EDTA
Tacrolimus	LC-MS/MS	Human Whole Blood	0.5-50 ng/mL	K ₂ EDTA
Tadalafil	LC-MS/MS	Human Plasma	1-400 ng/mL	EDTA
TBNK	Flow	Human Whole Blood	N/A	EDTA
TBX2	EIA	Human Plasma/ Serum	N/A	N/A
Telaprevir	LC-MS/MS	Human Plasma	0.1-20 ug/mL	K ₂ EDTA
Telmisartan	LC-MS/MS	Human Plasma	0.5-100 ng/mL	EDTA
Testosterone; Dihydrotestosterone (DHT)	LC-MS/MS	Human Serum	50-10000 pg/mL; 10-2000 pg/mL	N/A
Testosterone; Methyltestosterone	LC-MS/MS	Human Plasma	0.05-10 ng/mL	N/A
Thalidomide	LC-MS/MS	Human Plasma	20-2000 ng/mL	Heparin
Theophylline	LC-MS/MS	Human Plasma	100-20000 ng/mL	EDTA
Tiagabine	LC-MS/MS	Human Plasma	0.5-200 ng/mL	EDTA
TNF alpha	EIA	Human Plasma	1-32 pg/mL	Lithium Heparin
Tolterodine; 5-Hydroxymethyl Tolterodine	LC-MS/MS	Human Plasma	15-5000 pg/mL; 15-5000 pg/mL	EDTA
o-Toluidine	LC-MS/MS	Human Urine	20-1000 pg/mL	N/A
Topiramate	LC-MS/MS	Human Plasma	10-1000 ng/mL	EDTA
Total Antioxidant Capacity (TAC)	ELISA	Human Serum	100-300 uM	N/A
Triamcinolone Acetonide	LC-MS/MS	Human Plasma	50-4000 pg/mL	EDTA
Valsartan	LC-MS/MS	Human Plasma	15-7000 ng/mL	EDTA
Valsartan	LC-MS/MS	Human Serum	15-7000 ng/mL	N/A
Verapamil; Norverapamil	LC-MS/MS	Human Plasma	2.5-250 ng/mL	Heparin
Verapamil; Norverapamil	LC-MS/MS	Human Plasma	1.3-250 ng/mL	Heparin
Voriconazole	LC-MS/MS	Human Plasma	5-2000 ng/mL	EDTA
R-Warfarin; S-Warfarin	LC-MS/MS	Human Plasma	12.5-2500 ng/mL	EDTA
R-Warfarin; S-Warfarin	LC-MS/MS	Human Plasma	12.5-2500 ng/mL	Sodium Heparin
R-Warfarin; S-Warfarin	LC-MS/MS	Human Plasma	1-200 ng/mL	EDTA
Zidovudine; Abacavir	LC-MS/MS	Human Plasma	10-3000 ng/mL; 10-3000 ng/mL	EDTA
Zileuton; A66193	LC-MS/MS	Human Plasma	0.05-10 ug/mL	EDTA
Zolpidem	LC-MS/MS	Human Plasma	1-250 ng/mL	EDTA
Zonisamide	LC-MS/MS	Human Serum	30-3000 ng/mL	N/A

Biosimilar - Qualified Assays

PK Assays - Measurement of Drug in Biological Matrices	Species/Matrix	Anti-coag.	Technique
Adalimumab (Client owned)	Human Serum	N/A	EIA
Aflibercept (Client owned)	Human Serum	N/A	EIA
Cetuximab	Human Serum	N/A	EIA
Denosumab	Human Serum	N/A	EIA
Exendin-4	Human Plasma	Heparin	EIA
Etanercept	Human Serum	N/A	EIA
Filgrastim	Human Serum	N/A	EIA
Peg-Filgrastim	Human Serum	N/A	EIA
Rituximab	Human Serum	N/A	EIA
Romiplostim	Human Serum	N/A	SIMOA
Trastuzumab	Human Serum	N/A	EIA
Ustekinumab	Human Serum	N/A	EIA

ADA Assays - Measurement of Anti-drug Antibody Assays	Species/Matrix	Anti-coag.	Technique
Adalimumab ADA assay (Client owned)	Human Serum	N/A	ECLIA
Aflibercept ADA assay (Client owned)	Human Serum	N/A	ECLIA
Cetuximab ADA assay	Human Serum	N/A	EIA
Denosumab ADA assay	Human Serum	N/A	ECLIA
Filgrastim ADA assay	Human Serum	N/A	ECLIA
Rituximab ADA assay	Human Serum	N/A	EIA
PTH (1-34) ADA assay	Human Serum	N/A	EIA
Pegfilgrastim ADA assay	Human Serum	N/A	ECLIA
Romiplostim ADA assay	Human Serum	N/A	ECLIA
Trastuzumab ADA assay	Human Serum	N/A	ECLIA
Ustekinumab ADA assay	Human Serum	N/A	ECLIA
Denosumab Nab assay	Human Serum	N/A	EIA
Pegfilgrastim Nab assay	Human Serum	N/A	CBA
Trastuzumab Nab assay	Human Serum	N/A	ECLIA
Ustekinumab Nab assay	Human Serum	N/A	EIA

For further information on our validated assays, please contact marketing@celerion.com.